AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-8 (cancelled).

9. (New) A device for classifying at least one object in a surrounding field of a vehicle, comprising:

an environmental sensor system; and

a classifier that classifies the at least one object based on a three-dimensional shape of the at least one object and dimensions of the object, the environmental sensor system ascertaining the shape and the dimensions.

10. (New) The device as recited in claim 9, wherein the classifier is configured to take into account, during the classification, a velocity of the at least one object according to at least one of magnitude and a direction.

11. (New) The device as recited in claim 9, wherein the classifier is configured to take into account, during the classification, an orientation of the at least one object.

12. (New) The device as recited in claim 9, wherein the classifier is configured to check validity of the classification using data from a database.

13. (New) The device as recited in claim 9, wherein the device is coupled to at least one vehicle system in such a manner that the device controls the at least one vehicle system as a function of the classification.

14. (New) The device as recited in claim 13, wherein the vehicle system is a protection system.

15. (New) The device as recited in claim 13, wherein the vehicle system is a driver-assistance system.

16. (New) The device as recited in claim 9, wherein the environmental sensor system includes at least one of a stereoscopic camera, a monoscopic camera having a stereo motion sensor, a LIDAR sensor, and a scanning radar sensor.